HERITAGE REMEDIATION/ENGINEERING, INC.

5656 Opportunity Drive
Toledo, OH 43612
Phone: 419/478-4396
FAX: 419/478-4560

November 8, 1990

Mr. Frank D'Ascensio
Passaic Valley Sewerage Commission
600 Wilson Avenue
Newark, NJ 07105

Re: Batch Treatment/Discharge of
Basement Seepage Ground Water,
Former Hexcel Corp. Site
Fine Organics Company
205 N. Main Street, Lodi, NJ.

Dear Mr. D'Ascensio:

This letter is to inform you that Heritage Remediation/Engineering, Inc. on behalf of Hexcel Corp. has taken over responsibility for proper pretreatment of primarily ground water that has seeped into the basement of Building I at the above referenced location. As indicated in our telephone conversation of October 31, 1990, Fine Organics Company discontinued treatment of the water in the summer due to difficulty in removing polychlorinated biphenyls (PCBs) from the water. We recently began treating the water in a batch mode. Attached is a flow diagram of the treatment process. Simply, we use a chemical additive to demulsify any oil in the water. We then decant the water, pass it through a 5 micron bag filter and then through dual 1,050 pound activated carbon filters placed in series. Effluent water is placed in either of two clean 4,000 gallon holding tanks for sampling and analysis prior to discharge. With each batch a water sample is collected from the tank and from a sampling port between the two carbon filters for delivery to All-Test Laboratory in Hasbrouck Heights for quick turn-around analysis for PCBs, pH, total suspended solids (TSS), chemical oxygen demand (COD) and biological oxygen demand (BOD). All analysis are performed by standard methods.

Analytical results showing that the PCB content is not present exceeding the method detection limit, which for each arochlor is less than 1 ug/l (ppb), is the primary criterion used for discharge of the water. Discharge criteria for pH, TSS, COD and BOD will also be observed. Following our receipt

SDMS Document
88524

100% Recycled Paper

of acceptable analytical data, the water will be discharged to a location in Building 2 as in the past.

We would request that you allow us to discharge water showing detectable PCBs at or below a concentration of 1.0 ug/l. Since the Method 618 detection limit ranges from 0.01 ug/l to 0.1 ug/l, this would allow us to avoid special treatment for what would be an unrecognizable amount at the treatment plant. To demonstrate this, our permanent process should allow treatment of up to 10,000 gallons of water per day. If all seven PCB Arochlors were present at 1.0 ug/l in the discharge water of our system, then we would be discharging only 0.015 pounds of PCBs per year. It is inconceivable for us to imagine the amount of water treated and sludge processed by the PVSC in a year. However, we suspect that 0.015 pounds would not be significant.

Please contact us if there is any additional information that you require. Should you have any questions, we can be reached at (800) 338-4396.

Sincerely,
HERITAGE REMEDIATION/ENGINEERING, INC.

Joseph D. Ritchey, P.E.
Project Director

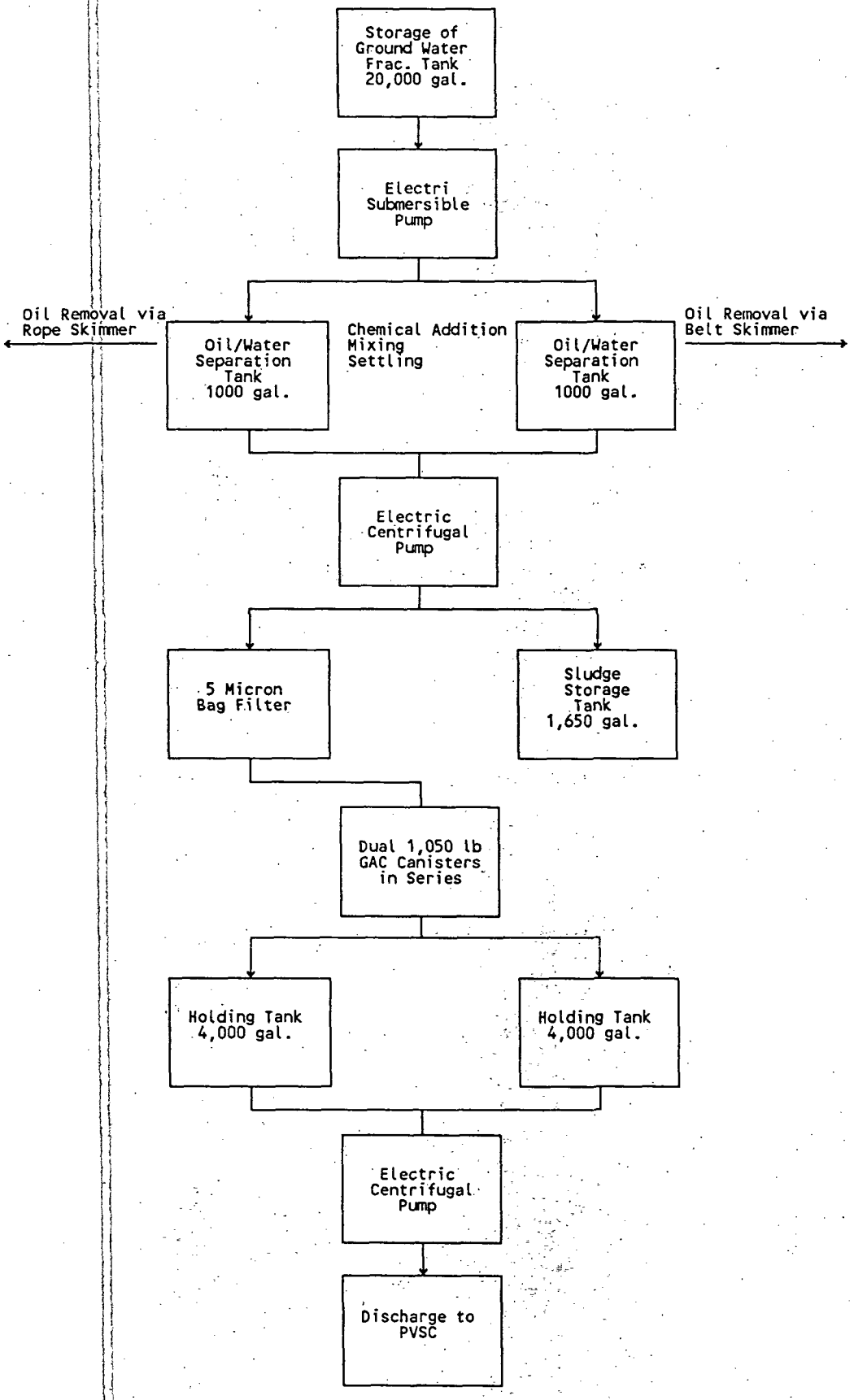
Attachment

cc: Gary Sanderson, NJDEP
Jim Higdon, Fine Organics
Bill Nosil, Hexcel Corp.
John Schroeter, ENVIRON

JDR90125.LG

100% Recycled Paper

HEXCEL CORP. - FINE ORGANICS CO. SITE
TEMPORARY TREATMENT SYSTEM FLOW DIAGRAM
HERITAGE REMEDIATION/ENGINEERING, INC.
November 8, 1990



885240003